Title (en)

METHOD FOR OPERATING A MAGNETIC-INDUCTIVE FLOW METER AND A MAGNETIC INDUCTIVE METER

Title (de)

VERFAHREN ZUM BETREIBEN EINES MAGNETISCH-INDUKTIVEN DURCHFLUSSMESSGERÄTS SOWIE EIN MAGNETISCH-INDUKTIVES MESSGERÄT

Title (fr)

PROCÉDÉ DE FONCTIONNEMENT D'UN APPAREIL DE MESURE D'ÉCOULEMENT MAGNÉTO-INDUCTIF AINSI QU'APPAREIL DE MESURE MAGNÉTO-INDUCTIF

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Abstract (en)

[origin: WO2018095644A1] The invention relates to a method for operating a magnetic-inductive flow meter and to a flow meter for measuring the flow rate or the volumetric flow of a medium in a measuring tube (10), which comprises a magnetic-inductive flow meter: wherein the method has the following steps: generating a magnetic field in the measuring tube (10) during a feeding phase, wherein the feeding phase has a shot phase and a measuring phase, measuring a coil current that flows through the coil system (21, 22); switching over from the shot phase to the measuring phase as soon as the coil current reaches a limit value; recording the time period from the beginning of the feeding phase to the reaching of the limit value and determining a deviation of the time period from a target time period; generating the magnetic field during a subsequent feeding phase, wherein a shot voltage of the subsequent feeding phase is adapted in dependence on the deviation in order to reduce a deviation of the time period from the target time period of the next feeding phase.

IPC 8 full level

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